

ABSTRACT OF THE DISCLOSURE

A multiprojection system that displays one color image by joining a plurality of color images projected by respective projectors is disclosed. The system

5 includes an image capturing section including an optical section having a plurality of filter characteristics corresponding to a plurality of basic colors constituting the color image projected by the projectors, and capturing an image of each of the basic

10 colors via the optical section; and a calculating section calculating offset correction data for each of the basic colors on the basis of a luminance distribution of offset light of each of the basic colors obtained by allowing the image capturing section

15 to capture a black level image projected by the projectors.